

## SEARCH REQUEST FORM

Requestor's  
Name: PHILLIP GAMBEL Serial Number: 08/487550  
Date: 10/6/97 Phone: 308-3997 Art Unit: 1806  
1806

**Search Topic:**

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

INTERFERENCE SEARCH

SEQ ID nos. 1-12

REQUEST  
JAN

JAN X

### STAFF USE ONLY

Date completed: 10/6/97  
Searcher: \_\_\_\_\_  
Terminal time: 4:5  
Elapsed time: \_\_\_\_\_  
CPU time: \_\_\_\_\_  
Total time: 4:5  
Number of Searches: 1  
Number of Databases: 1

Search Site  
 STIC  
 CM-1  
 Pre-S  
**Type of Search** X  
 N.A. Sequence  
 A.A. Sequence  
 Structure  
 Bibliographic

Vendors  
 IG m/c  
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 Geninfo  
 SDC  
 DARC/Questel  
 Other

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FILE 'USPAT' ENTERED AT 17:19:24 ON 07 OCT 1997

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\* W E L C O M E T O T H E \*  
\* U. S. P A T E N T T E X T F I L E \*  
\* \*

=> s 16c10 or 7c10 or 7b6

1 16C10

8 7C10

9 7B6

L1 18 16C10 OR 7C10 OR 7B6

=> s l1(p)antibod?

25006 ANTIBOD?

L2 1 L1(P)ANTIBOD?

=> d 12 1

1. 5,179,000, Jan. 12, 1993, Method for assaying basic fetoprotein in urine and assay kit therefor; Masaru Ishii, et al., 435/7.23, 7.1, 7.2, 7.9, 7.92; 436/64, 518, 813 :IMAGE AVAILABLE:

=> d 12 1 kwic

US PAT NO: 5,179,000 :IMAGE AVAILABLE:

L2: 1 of 1

SUMMARY:

BSUM(21)

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antigenic determinant

monoclonal antibody

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A 5C4, 5C5, 5C6, 7D1, K1

B 5B3, 5C2

C 5A2, 5A3, 7D3, 8A2, 7B4,  
5D6-2, 8A1, 7A5, 8A5, **7B6**

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=> d 12 1 clms

US PAT NO: 5,179,000 :IMAGE AVAILABLE:

L2: 1 of 1

CLAIMS:

We claim:

1. A method for detecting the presence of urogenital cancer in an individual, wherein the method comprises:  
contacting a urine sample from the individual with at least one antibody which specifically binds basic fetoprotein,  
detecting formation of an immune complex between the antibody and basic fetoprotein and determining the amount of basic fetoprotein in the urine sample,  
wherein an elevated level of basic fetoprotein is associated with the presence of urogenital cancer.

• CLMS (2)

2. A method according to claim 1, wherein said method is carried out by a sandwich assay.

CLMS (3)

3. A method according to claim 2, wherein said method is carried out by a sandwich assay using a first monoclonal antibody that specifically binds basic fetoprotein and a labeled second monoclonal antibody that specifically binds basic fetoprotein and which reacts with an antigenic determinant different from the antigenic determinant with which said first monoclonal antibody reacts.

CLMS (4)

4. A method according to claim 3, wherein the first monoclonal antibody is coated on a surface of a solid phase.

CLMS (5)

5. A method according to claim 3 or 4, wherein the second monoclonal antibody is labeled with an enzyme.

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